



VP-MS-TL

VANDAL RESISTANT

MICROPHONE & SPEAKER STATION

WITH INTEGRAL TALK & LISTEN SWITCHES AND CALL LIGHTS

The Tech Works **VP-MS-TL** is a three gang Vandal Resistant Microphone and Speaker Station designed for very demanding environments. The Microphone is a highly sensitive condenser voice microphone. The microphone is mechanically isolated and shock resistant mounted behind the steel wall plate. An electronic balancing circuit shapes the omni-directional microphone for high voice band sensitivity while adapting it for low impedance connection over long wire lengths with minimal noise. The speaker is moisture resistant and employs three steel barriers to protect it from tampering and vandalism. The integral "Talk" and "Listen" switches are hermetically sealed and utilizes a limited travel actuator to protect from excessive force or moisture.

Two ultra-bright LED call lights let the operator know what the status of the intercom is.

The Loudspeaker is a 2 inch frame, 8 ohm voice coil device with a 25 Volt audio transformer for high sensitivity listening and proper matching for articulate speech output.

The 12-gauge stainless steel faceplate and tamperproof mounting hardware makes the **VP-MS-TL** almost indestructible.

BENEFITS

- Superior Sound Quality
- Rugged / Durable Construction
- Easy to Install
- Hard to Remove

Associated Equipment

CI-MSI-22 - Microphone Speaker Interface

IC-52-B - 2 Channel Intercom Amplifier

Design Information

Microphone

| | |
|-------------|------------------|
| Phantom | |
| Power | 10 - 24V DC |
| Frequency | |
| Response | 50 - 16K Hz |
| Sensitivity | -60dB |
| Pattern | Omni Directional |
| Impedance | 200 Ohms |

Speaker - 25V, 1/2 Watt

Call Switch – Normally Open Momentary

Light – 11-24V DC LED

Dimensions – 6.3125" W, 4.75" H, 1.25" D

Standard 2-Gang Electrical Box Mounting

Wiring is One Shielded Twisted Pair plus

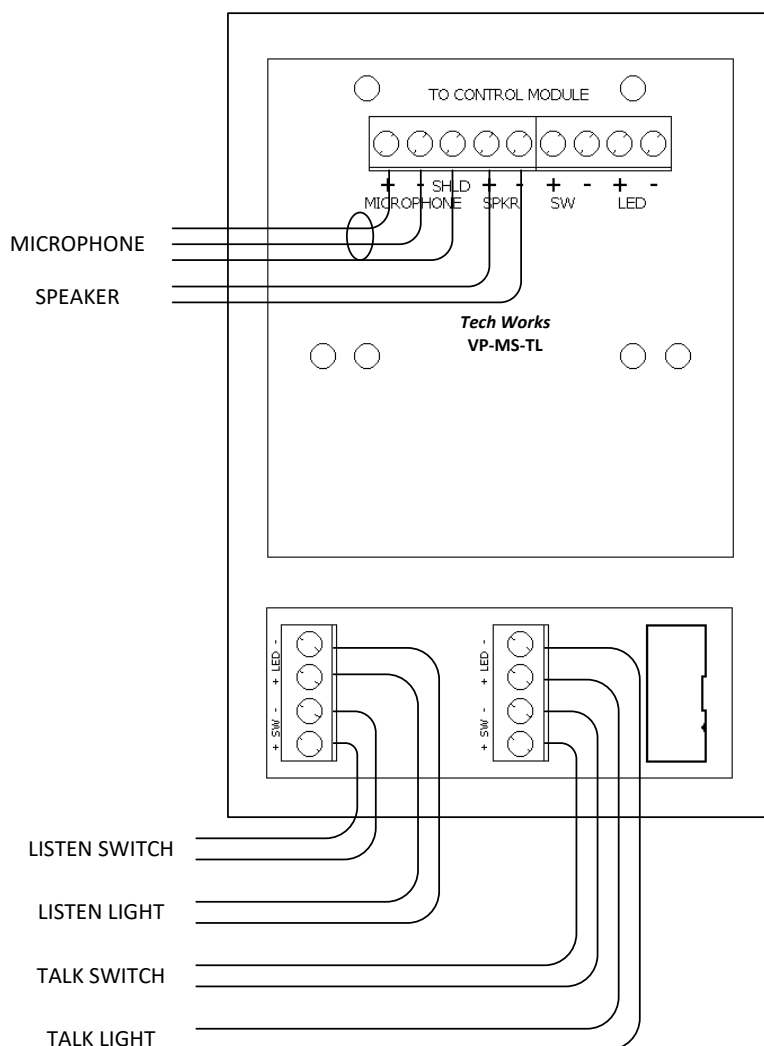
Five Unshielded Twisted Pair Cable



Tech Works®

"Making Specialized Communication Easy"

VP-MS-TL Connections



Architects' and Engineers' Specifications

The Vandal Resistant Microphone and Speaker Station shall be a three-gang moisture resistant design employing three steel barriers and a 12 gauge stainless steel faceplate with special mounting hardware to protect it from tampering and vandalism. The Microphone shall be designed and constructed for use in applications where a highly sensitive voice microphone can pick up the conversation. An electronic balancing circuit shall be included to shape the omni-directional microphone for high voice band sensitivity while adapting it for low impedance connection over long wire lengths with minimal noise. The microphone shall be mechanically shock mounted behind the steel plate for protection. The integral "Talk" and "Listen" switches shall be hermetically sealed and utilize a limited travel actuator to protect from excessive force or moisture and include a concentric LED Communication Status Light. A moisture resistant 25 Volt speaker shall deliver clear loud audio as both a microphone and a speaker.

The Voice Communication System Intercom Microphone and Speaker Station shall be Tech Works Model VP-MS-TL.

